

Converting Colors

CIELCh(31, 7.880, 6.826)

Have a look what the booklet for
CIELCh(31, 7.880, 6.826) contains.

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Color

CIELCh(31, 7.880, 6.823)

Conversions

Conversions Part 1

Format	Color
Hex	564548
RGB	86, 69, 72
RGB Percent	34%, 27%, 28%
CMY	0.6639, 0.7305, 0.7187
CMYK	0.00, 0.20, 0.16, 0.66
HSL	349°, 11%, 30%
HSV	349°, 20%, 34%
XYZ	7.0832, 6.6515, 6.9942
YIQ	74.4250, 9.1690, 4.5370

Conversions

Conversions Part 2

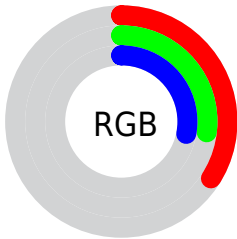
Format	Color
R_{YB}	86, 69, 72
Decimal	5653832
CIE Lab	31.00, 7.82, 0.94
CIE LCh	31, 7.880, 6.823
Yxy	6.6515, 0.3417, 0.3209
Android (android.graphics.Color)	4283843912 (0xFF564548)
YUV	74.4250, -1.1955, 10.1513
Hunter-Lab	25.7905, 3.8906, 1.9742

Details

The CIELCh color **31, 7.880, 6.823** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **35, 7.287, 183.494**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 7.981, 7.732**, and **11, 7.581, 5.184** is the 20% darker color. If you saturate the color by 10%, you get **28, 12.133, 7.994**, and if you desaturate by 10%, it is **34, 3.807, 5.816**.

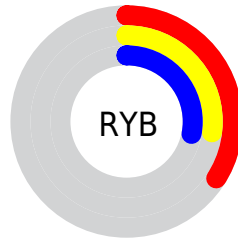
Distribution



 Red (34%)

 Green (27%)

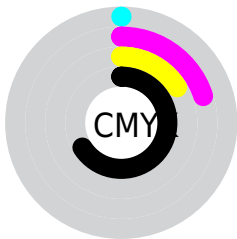
 Blue (28%)



 Red (34%)

 Yellow (27%)

 Blue (28%)

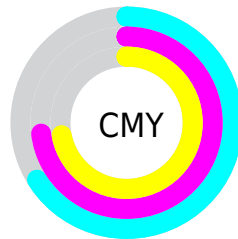


 Cyan (0%)

 Magenta (20%)

 Yellow (16%)

 Black (66%)



 Cyan (66%)

 Magenta (73%)

 Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 7.880, 6.823 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 31, 7.880, 6.823 by changing the saturation by 10% instead.

■ 31, 7.880, 6.823

■ 31, 7.880, 6.823

■ 100, 7.880, 6.823

■ 21, 7.880, 6.823

■ 51, 7.880, 6.823

■ 11, 7.880, 6.823

■ 61, 7.880, 6.823

■ 1, 7.880, 6.823

■ 71, 7.880, 6.823

■ 0, 7.880, 6.823

■ 81, 7.880, 6.823

■ 91, 7.880, 6.823

■ 31, 7.880, 6.823

■ 31, 7.880, 6.823

■ 28, 12.133, 7.994

■ 34, 3.807, 5.816

■ 26, 16.529, 9.382

■ 36, 0.067, 189.228

23, 20.997, 11.070

39, 3.740, 184.398

21, 25.433, 13.151

42, 7.220, 183.719

19, 29.702, 15.737

45, 10.518,
183.135

18, 33.664, 18.940

48, 13.649,
182.616

17, 37.221, 22.814

16, 40.653, 25.564

51, 16.629,
182.148

15, 40.714, 25.591

53, 19.472,
181.723

56, 22.192,
181.334

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31, 7.880, 6.823



35, 7.287, 183.494

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31, 7.880, 6.823



31, 7.880, 56.823



31, 7.880, 186.823



31, 7.880, 236.823

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31, 7.879, 6.829



45, 2.879, 5.455



31, 12.329, 320.114



22, 1.890, 5.487



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 7.879, 6.829



39, 12.059, 7.388



32, 6.315, 52.314



16, 2.185, 5.715



21, 48.549, 28.162



49, 89.360, 32.029

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31, 7.879, 6.829



39, 12.059, 7.388



33, 5.717, 235.331



16, 2.185, 5.715



21, 48.549, 28.162



49, 89.360, 32.029

Previews

White Background



This preview shows how the CIELCh color 31, 7.880, 6.823 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 31, 7.880, 6.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

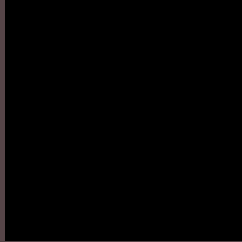
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 7.880, 6.823

Background



This preview shows how black text looks on a background with the CIELCh color 31, 7.880, 6.823.

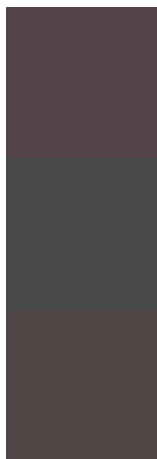


This preview shows how white text looks on a background with the CIELCh color 31, 7.880, 6.823.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31, 7.880, 6.823

Protanopia

31, 0.780, 324.346

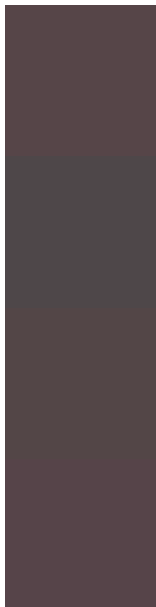
Deuteranopia

31, 4.491, 20.072



Tritanopia
31, 8.872, 355.593

Trichromacy



Original Color

31, 7.880, 6.823

Protanomaly

31, 3.356, 357.651

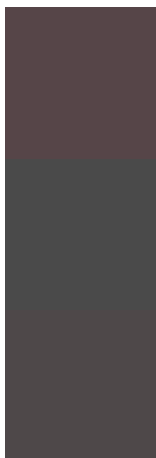
Deuteranomaly

31, 5.890, 14.184

Tritanomaly

31, 8.653, 359.454

Monochromacy



Original Color

31, 7.880, 6.823

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 2.734, 6.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 7.880, 6.823 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(86, 69, 72)` looks like.

```
.text, #text, p{  
    color:rgb(86, 69, 72)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(86, 69, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 69, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 7.880, 6.823 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 69, 72) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(86, 69, 72) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(86, 69, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 69, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 69, 72);  
box-shadow:4px 4px 4px 4px rgb(86, 69, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 7.880, 6.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 69, 72) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(86, 69,  
72) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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